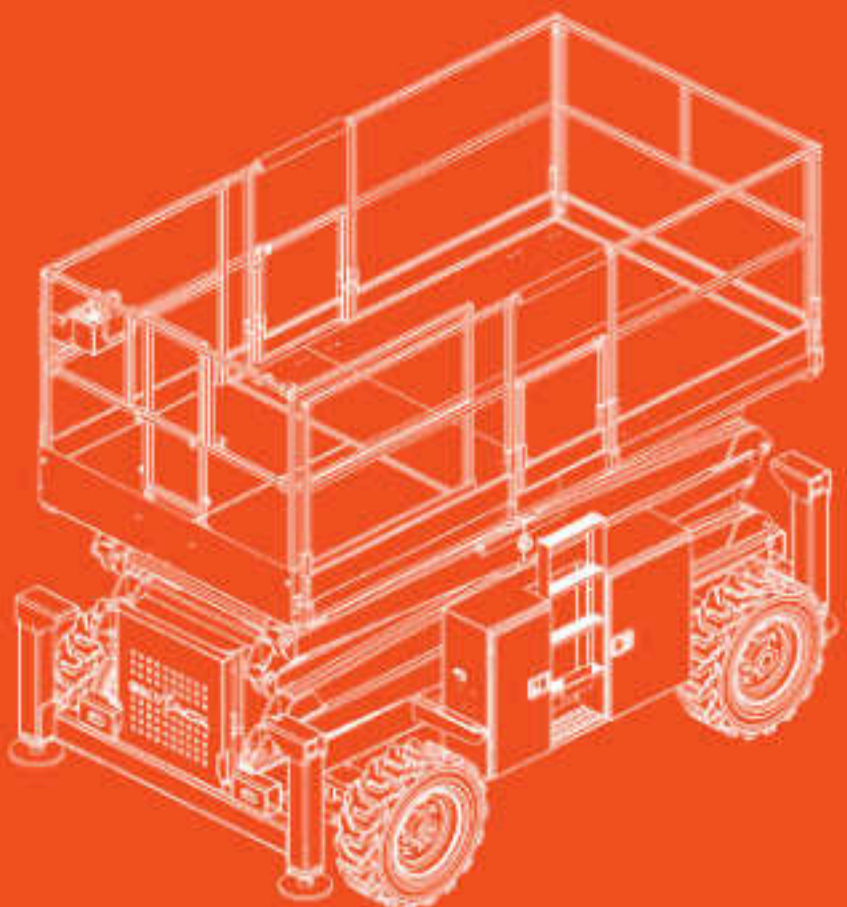
SKYJACK

SERVICE MANUAL

SJ9250 RT

ROUGH TERRAIN SCISSORS



167323AGA
September 6 2024
ANSI/CSA

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Table 2.2 Specifications and Features 50 001 153 - 50 001 320

Model		Mid Size RTs		Full Size RTs		
		7127	7135	8831	8841	9250
Weight*		8,420 lb. 3819 kg	8,850 lb. 4014 kg	9,670 lb. 4386 kg	10,570 lb. 4794 kg	14,700 lb. 6668 kg
Width		71.5" 1.82 m		87" 2.21 m		92" 2.34 m
Length		150" 3.81 m		137.5" 3.5 m		176" 4.47 m
Platform Size		64" x 117" 1.63 m x 2.97 m		68" x 133" 1.73 m x 3.39 m		74" x 168" 1.88 m x 4.27 m
Height	Working	33' 10.1 m	41' 12.5 m	37' 11.3 m	47' 14.3 m	56' 17.1 m
	Platform Elevated	27' 8.2 m	35' 10.7 m	31' 9.4 m	41' 12.5 m	50' 15.2 m
	Platform Lowered	60.5" 1.54 m	67.5" 1.71 m	59" 1.5 m	69" 1.75 m	79" 2.01 m
	Drive	Full				26' 7.9 m
Tires		Please refer to Table 2.3 for tire specification and usage.				
Speed	Normal Drive	3.5 mph 5.6 km/h		3.0 mph 4.8 km/h		2.0 mph 3.2 km/h
	Elevated Drive	0.35 mph 0.56 km/h		0.6 mph 0.97 km/h		
	Raise (Rated Load)	43 sec.	41 sec.	58 sec.	56 sec.	67 sec.
	Lowered (Rated Load)	46 sec.	44 sec	44 sec.	53 sec.	72 sec.
Engine (RPM)	Kubota (Dual Fuel)	2050 (Low) / 3500 (High)		N/A		
		1400 (Low) / 2800 (High)		1400 (Low) / 2800 (High)		
	Kubota (Diesel)	N/A		900 (Idle) /1400 (Low) / 2800 (High)		
Gradeability		30%				

** Weights are approximate; refer to serial nameplate for specific weight. Values shown are for standard 4WD machines on air tires with a manual extension platform (Mid Size RTs) and no extension platforms (Full Size RTs).* *1617*

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Section 4 – Troubleshooting Information

4.1 Introduction

The following pages contain a table of Troubleshooting for locating and correcting most service trouble which can develop. Careful and accurate analysis of the systems listed in the table of Troubleshooting will localize the trouble more quickly than any other method. This manual cannot cover all possible troubles and deficiencies that may occur. If a specific trouble is not listed, isolate the major component in which the trouble occurs, isolate whether the problem is electrical or hydraulic, and then isolate and correct the specific problem.

The content of this section is separated into "probable cause" and "remedy." The information in the left-hand column, preceded by a number, represents the "probable cause." The information in the right-hand column, in bold text, represents the "remedy" to the "probable cause" directly beside it. See the example below for clarification.

4.2 Electrical System

1. Probable cause	**Remedy**

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DTC	(J1939) SPN	(J1939) FMI	Detected Item/Hardware	2503	972
1612	629	31	• Faulty ECU	✓	×
1613	629	31	• Faulty ECU	✓	×
1614	629	31	• Faulty ECU	✓	✓
1614	703	4	• Wiring harnessopen/short/damage • The circuitabnormality	×	✓
1615	629	31	• Faulty ECU	✓	×
1615	703	3	• Wiring harness short to power • The circuit abnormality	×	✓
1616	629	31	• Faulty ECU	✓	×
1616	523715	2	• A/D Converter malfunction	×	✓
1617	523716	2	• Exhaust leaks upstream or near the HEGO sensor • Fuel pressure abnormality • An injector that is stuck closed • Wiring harness open/short/damage • O2 sensor malfunction	×	✓
1618	523717	2	• TPS malfunction	×	✓
1619	523718	1	• TPS malfunction	×	✓
1621	523722	12	• System LSI malfunction	×	✓
1624	523724	31	• Wiring harness short to power • Both Lock Off Valve andn Fuel Shutoff Solenoid malfunction	×	✓
1625	523725	2	• Wiring harness open/short/damage • Fuel Shutoff Solenoid malfunction	×	✓
2111	51	7	• TPS malfunction	✓	×
2112	51	7	• TPS malfunction	✓	×
2115	51	0	• Wiring harness open/short/damage • FPP malfunction • IVS malfunction	✓	×
2116	29	0	• Wiring harness open/short/damage • FPP malfunction • IVS malfunction	✓	×
2122	91	4	• Wiring harness open/short/damage • APS malfunction	×	✓
2122	91	3	• Wiring harness open/short/damage • FPP malfunction	✓	×
2123	91	4	• Wiring harness open/short/damage • FPP malfunction	×	✓
2123	91	3	• Wiring harness open/short/damage • FPP malfunction	✓	×
2127	29	4	• Wiring harness open/short/damage • APS malfunction	×	✓
2127	29	4	• Wiring harness open/short/damage • FPP malfunction	✓	×
2128	29	3	• Wiring harness open/short/damage • APS malfunction	×	✓

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Table 1.6 Owner's Annual Inspection Record

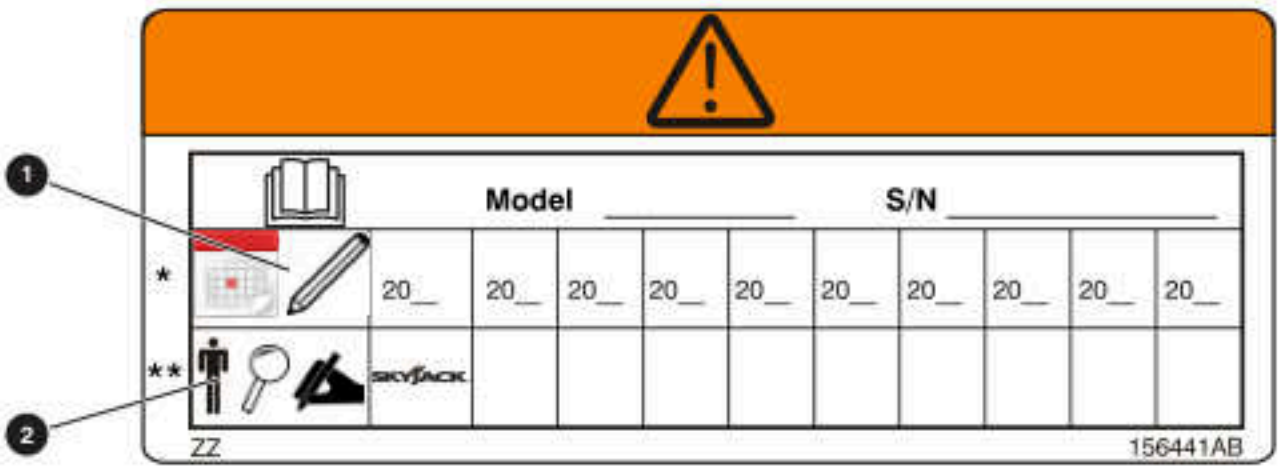
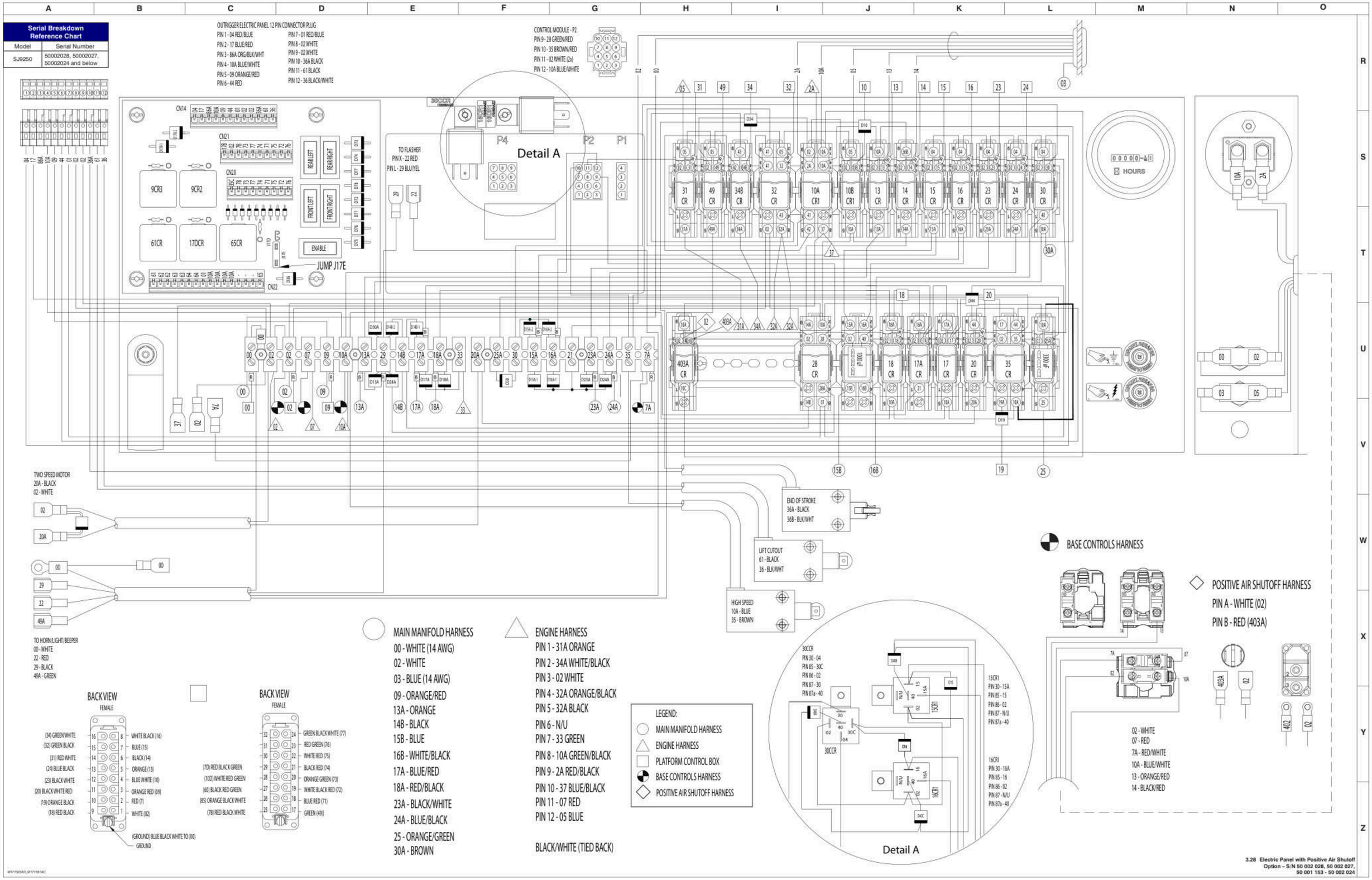


Figure 01 *This decal is located on the scissor assembly. It must be completed after an annual inspection has been completed. Do not use the aerial platform if an inspection has not been recorded in the last 13 months.*

Description	Label Pictorial	Description	Label Pictorial
1 Inspection Date		2 Inspector Signature	

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3.28 Electric Panel with Positive Air Shutoff Option – S/N 50 002 028, 50 002 027, 50 001 153 - 50 002 024

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